

ACCESSION NR: AP4040934

S/0185/64/009/006/0648/0658

AUTHOR: Gry*bny*kov, Z. S. (Gribnikov, Z. S.), Tkhoryk, Yu. O. (Tkhorik, Yu. A.

TITLE: Transient processes of storage and decay of nonequilibrium carriers in semiconductor diodes

SOURCE: Ukrayins'ky*y fizy*chny*y zhurnal, v. 9, no. 6, 1964, 648-658

TOPIC TAGS: Semiconductor diode, nonequilibrium carrier, transient decay, transient diode decay, transient diode storage, p-n junction, diode performance

ABSTRACT: Transient processes are considered in semiconductor diodes when the current through the diode is given (forward bias on the p-n junction). It is shown that when the width of the base is small, the time dependence of the minority carrier density is described by a simple exponential function; for this function the time constant is calculated with various recombination velocities on the unrectifying contacts and emitter efficiencies. Time dependences of this density were also obtained with different base widths. The recovery time vs $\frac{I}{I_0}$ was calcu-

lated for different base widths, emitter efficiencies and recombination velocities. Orig. art. has 21 numbered equations, 5 graphs and an appendix.

Card 1/2

ACCESSION NR: AP4040934

ASSOCIATION: Instytut napivprovodnykiv AN UkrSSR Kiev (Institute for Semiconductors, AN UkrSSR)

SUBMITTED: 09Jan64

ENCL: 00

SUB CODE: EC

NO REF. SOV: 004

OTHER: 004

Card 2/2

KOTENKO, A.D.; TKHORIVSKIY, A.M.

First-year students of a pedagogical institute study techniques
of measurement. Politekh. obuch. no.8:67-68 Ag '59.
(MIRA 12:10)

1. Pedagogicheskiy institut, g. Vinnitsa.
(Measuring instruments)

GLADYSH, Vladimir Vikent'yevich, inzh.; GLIK, Arnol'd Konstantinovich, inzh.;
SAKHAROV, Grigoriy Grigor'yevich, inzh.; TKHORZHEVSKIY, Dmitriy Alekseyevich, inzh.;
MAKOVSKIY, G.M., inzh., red.; OSIPOVA, L.A., red.;
izd-va; CHERNOVA, Z.I., tekhn. red.

[Technology of the production of rolling mill equipment] Tekhnologija
proizvodstva prokatnogo oborudovaniia. By V.V.Gladyshev i dr. Moskva,
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1960. 288 p.
(MIRA 14:9)

(Rolling mills) (Machinery industry)

D'OMIN, A. I., nauchnyy sotr.; PILIPENKO, Yu. P. [Pylypenko, IU. P.],
prepodavatel' sredney sholy; TKHORZHEVSKIY, D.O.
[Tkhorzhevs'kyi, D.O.], red.; SHEVCHENKO, L. I., tekhn.red.

[Classes in fitting and repairing; tractor repair]Uroki z
slusarno-remontnoi spravy; remont traktora. Za red. K.I.
Shvetsova. Kyiv, Radians'ka shkola, 1962. 74 p.

(MIRA 16:3)

1. Nauchno-issledovatel'skiy institut pedagogiki Ukr.SSR (for
D'omin).

(Tractors--Maintenance and repair)

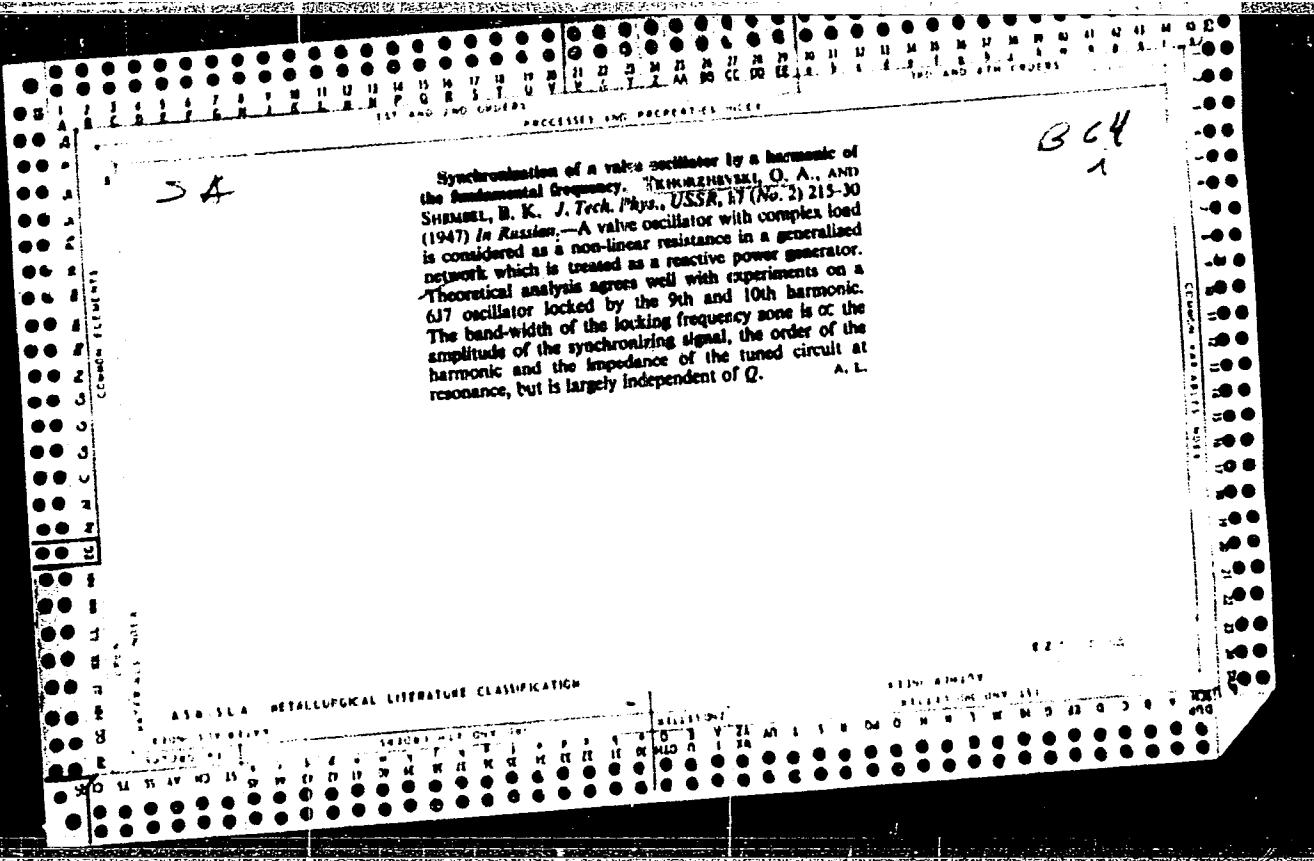
TKHORZHEVSKIY, O.
TKHORZHEVSKIY, O.

On a problem related to the method of frequency measurements
solved by the application of low-frequency RC filters. Trudy
VNIIM no.28:84-89 '56. (MIRA 10:12)
(Frequency measurements) (Electric filters)

GTRSPU Vol. 5 No. 1 Jan. 1952

Egorzhevskii, O.A. and Shembel¹, B.K.
The synchronization of a tube oscillator by a harmonic of the fundamental frequency
Zurnal Tekhnicheskoi Fiziki 17, 215-30 (1947)

TRANSLATIONS AVAILABLE AT BROOKHAVEN NATIONAL LABORATORY



Circuits Circuit Elements

W.E.

621.300.615 - 621.310.720.078.3 1208
The Synchronization (Pulling-In) of a Valve
Oscillator by a Harmonic of the Fundamental
Frequency. O. A. Tikhovskii & B. K. Shembel
(Zh. Tekh. fiz., 1947, Vol. 17, No. 2, pp. 215-230).
In Russian. The oscillator with an external e.m.f. applied to it is regarded as a generator of reactive power at the fundamental frequency. Using this conception a simple formula (16) is derived determining the pulling in range. It follows from this formula that for relatively small values of the voltage the range is proportional to the square root of the order number of the harmonic, to the load current and to the characteristic impedance of the circuit. Under conditions of overloading the range is independent of the attenuation of the signal. The main principles of the design of both valve synchronized oscillators are discussed; experimental results fully confirm the theory.

1948

Tkhorzhevskiy, O. A.

112-2-4335

TRANSLATION FROM: Referativnyy zhurnal, Elektrotehnika, 1957,
Nr 2, p. 260 (USSR)

AUTHOR: Tkhorzhevskiy, O. A.

TITLE: Calculating the Coverage Band Width of a Vacuum Tube
LC-Oscillator Detuned on the Fundamental Frequency
Harmonic (Raschet shiriny polosy zakhvatyvaniya
rasstroyennogo lampovogo LC-generatora na garmonike
osnovnogo kolebaniya)

PERIODICAL: Vses. n.-i. in-ta metrologii, 1956, Nr 28, pp. 90-94

ABSTRACT: It is pointed out that in the practical application of synchronized LC-oscillators, under conditions of low circuit selectivity and when the value of the synchronizing e.m.f. is relatively high, a broad coverage must be obtained. This is necessary for prolonged and reliable LC-oscillator operation. A method is proposed for calculating the width of the coverage band of an LC-oscillator detuned on the fundamental frequency harmonic [when the values of the synchronizing emf are commensurate with the magnitude of the voltage produced by the oscillator]. An analysis is given of random error in determining the width of the synchronization band by the proposed formula. It was found that the relative random error in determin-

Card 1/2

Calculating the Coverage Band Width of a Vacuum Tube (Cont.)

112-2-4335

ing the coverage band width was directly proportional to the synchronization frequency, and inversely proportional to the relative width of the coverage band. By comparing the calculations with experimental results it was found that the calculation errors can be detected by present day harmonic analyzers.

V.Z.P.

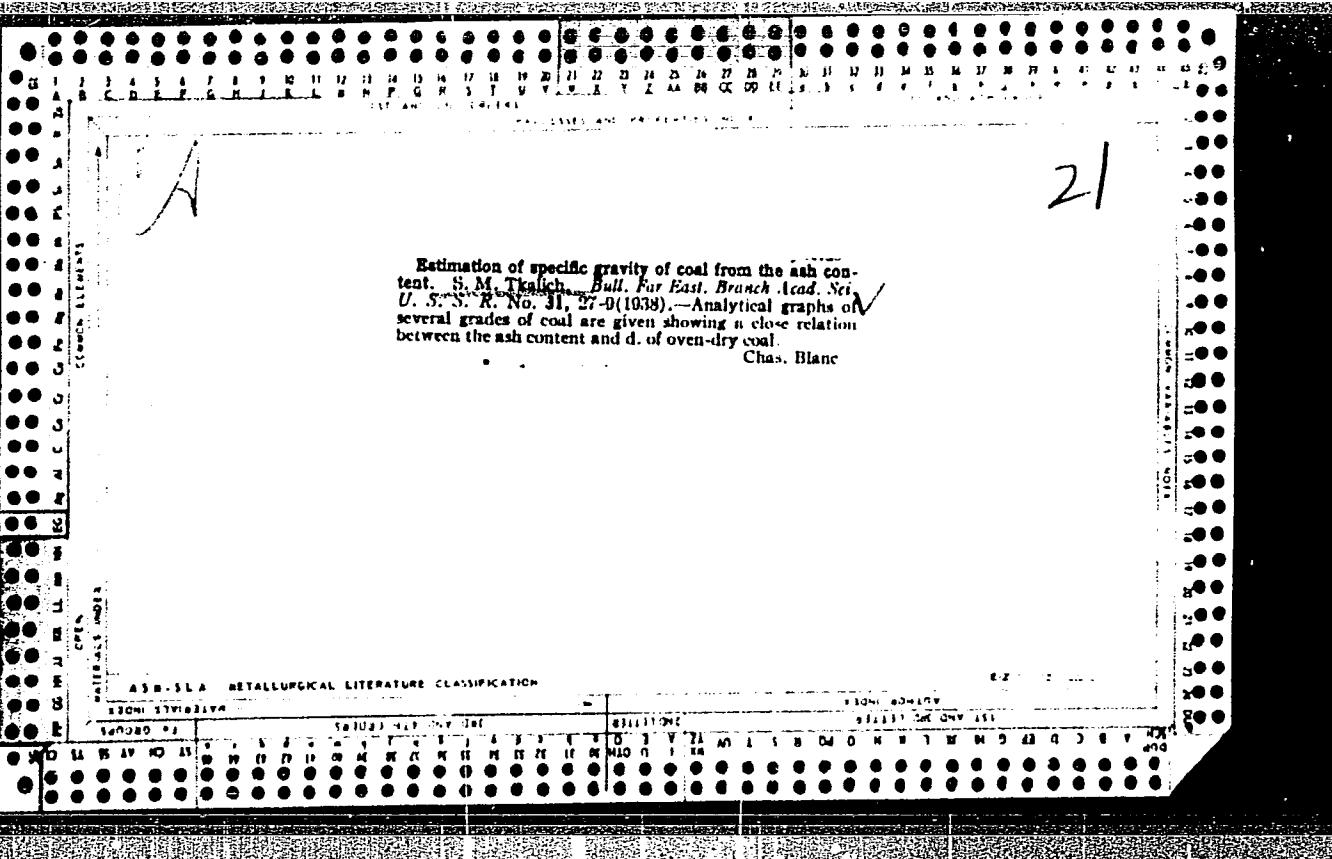
Card 2/2

MAKASHEV, M.Kh.; TKHORZHEVSKIY, O.A.

Aging of high-Q AT-cut quartz resonators. Izm.tekn. no. 5:53-54
My '63. (MIRA 16:10)

TKHORZHEVSKLY, O.A.

Calculating the trapping bands of the oscillator's basic frequency
which has been stabilized by a piezocquartz element. Trudy VNIIM
no.28:95-101 '56. (MIRA 10:12)
(Oscillators, Crystal)



"Computation of Bandwidth of a Detuned Tube LC-Oscillator On Harmonics of the Fundamental Oscillations," by O. A. Tkhorzhevskiy, Tr. Vses. n.-i. in-ta metrologii, 1956, 28, pp 90-94 (from Referativnyy Zhurnal-Elekrotekhnika, No 2, Feb 57, Abstract No 4335)

It is shown that, in the practical application of synchronized LC-oscillators with low circuit selectivity and relatively large synchronizing emf, it is necessary to have a broad bandwidth. A method of computing the width of the band is suggested, whereby the harmonic of the fundamental oscillations at values of emf commensurate with the oscillator potential is utilized. It was found that the accuracy is proportional to the synchronization and inversely proportional to the bandwidth. (U)

Sum 11/1467

PAN'KIV, A.M.; STERLIN, B.P.; TKHORZHEV'KIY, S.A. [Tkhorzhevs'kyi, S.A.]

Cross ection of Mesozoic sediments in the Kharkov key hole.
Geol. zhur. 23 no.5:96-99 '63. (MIRA 16:12

1. Trest Kharkivnaftogazrozvidka" i Ukr. filial VNDIGaz.

BRYNZA, N.F.; STERLIN, B.P.; TKHORZHEVSKIY, S.A.; CHERNYAKOV, A.M.

Some characteristics of the relation of Upper Paleozoic
and Mesozoic structural plans in the West Ukrainian oil-
and gas-bearing basin. Geol. nefti i gaza 9 no.6:22-27 Je
'65. (MIRA 18:3)

1. Trest Khar'kovneftegazrazvedka i Ukrainskiy filial
Vsesoyuznogo nauchno-issledovatel'skogo instituta prirodnogo
gaza.

AGISHKOV, A.P.; KLITOCHNIKO, I.F.; LAPKIN, I.Yu.; PALIY, A.M.; STERLIN, B.P.;
TENORZEVSKI, S.A.; TLAUCHISHIN, S.V.

New gas-bearing area in the southeastern section of the Irkoper-
Donets Lowland. Gaz. prom. 8 no.12:4-6 '63 (MIRA 18:2)

VASIL'YEV, V.G.; VOROB'YEV, E.S.; DUDKO, N.A.; ZIL'BERMAN, V.I.; KLITCHENKO, I.F.; LITVINOV, V.R.; TKHORZHEVSKIY, S.A.; CHERPAK, S.I.

Present status of and prospects for the development of the production of natural gas in the eastern Ukrainian oil- and gas-bearing region. Gaz. prom. 10 no.4:1-6 '65.

(MIRA 12:5)

VOROB'YEV, B.S.; LAPKIN, I.Yu.; PAN'KIV, A.M.; STERLIN, B.P.; TKHORZHEVSKIY, S.A.

Geology of the southern slope of the Voronezh massif in the Charkov region. Sov.geol. 6 no.4:129-133 Ap '63. (MIRA 16:4)

1. Trest "Khar'kovneftegazrazvedka" i Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta gaza i iskusstvennogo zhidkogo topliva.

(Charkov region—Geology)

GRANIN, Daniil; TKHORZHEVSKIY, S.S., red.; KOMM, V.G., tekhn. red.

[Unexpected morning] Neozhidannoe utro. Moskva, Izd-vo "Sovetskii pisatel', " 1962. 129 p. (MIRA 16:3)
(Cuba--Description and travel)

MZHEL'SKIY, V.S.; KULIK, L.N.; TKHORZHEVSKIY, V.I.

Causes of failures in the surgical treatment of varicose veins
of the lower extremities. Vest.khir. no.4:54-59 '61.

(MIRA 14:4)

1. Iz 2-y gospital'noy khirurgicheskoy kliniki (nach. - prof.
Ye.V. Smirnov) Voyenno-meditsinskoy ordena Lenina akademii im.
S.M. Kirova.

(VARIX)

TKHOREVSKIY V.I.
KHIL'KIN, A.M.; *TKHOREVSKIY, V.I.*

Arteriopiezogram in experimental aortal insufficiency and
after its correction. Trudy 1-go MMI 16:66-71'62.

(MIRA 16:6)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii
(zav. - chlen-korrespondent AMN SSSR prof. V.V.Kovanov) Pervo-
go Moskovskogo ordena Lenina meditsinskogo instituta.
(AORTIC VALVE—DISEASES) (PULSE)

L 17612-65 LIA(3)-17-17 P(1)/SAC(w) 07/16/01 1120/T/F
PAB-15/Ps-4-rt-11 100,000 - 100,000

ACCESSION NR AM1046718 DATE OF ACQUISITION

S/

Tkhorzhevskiy, V. P.; Perevezertsev, I. G.

Construction of instruments for countries with tropical climates (Konstruirovaniye priborov dlya stran s tropicheskim klimatom), 2d ed., rev. and enl., Moscow, Izdat. "Masinostroyeniya", 1960. 120 pp., 100 drawings, 1,100 copies printed.

TOPIC TAGS: tropical deterioration, metal corrosion, organic coating, packing material, metallic coating, nonmetallic coating, electric insulation

PURPOSE AND COVERAGE: The book reports on the design of new and the redesign of old instruments for countries with tropical climates. The basic design rules of instruments, the qualities of materials used in their construction are presented. The norms and methods of tropical testing are also explained. The book is intended for scientific workers in industry, in design bureaus, etc.

TABLE OF CONTENTS (abridged):

Foreword to the second edition -- 1

Card 1/3

L 17612-65
ACCESSION NR AM4046718

- Ch. I. Basic information -- 5
Ch. II. Design -- 19
Ch. III. Organic coatings -- 62 2
Ch. IV. Metallic and nonmetallic coatings -- 98
Ch. V. Tropical testing of instruments -- 95
Ch. VI. Protection of articles in storage and transportation -- 108
Ch. VII. Internal packing of articles -- 118
Ch. VIII. External packing of articles -- 121
Appendix 1. Plastics for instruments used in tropical countries -- 125
Appendix 2. Sealants -- 127
Appendix 3. Metal coatings -- 127
Appendix 4. Tropical testing -- 127
Bibliography -- 127
Card 2/3

L 17610-65
ACCESSION NR AM4046718

0

SUB CODE: MM, MT, IC, CC SUBMITTEL: 25Feb64 NR REF: 30V: 21

OTHER: 020

Card 3/3

TKHORZHEVSKIY, V.P.; PEREVEZENTSEV, I.G.; MADISON, V.G., retsenzent;
STROGANOV, L.P., inzh., red.

[Design of instruments for countries with a tropical
climate] Konstruirovaniye priborov dlja stran s tropiche-
skim klimatom. Izd.2., perer. i dop. Moskva, Izd-vo Ma-
shinostroenie, 1964. 199 p. (MIRA 17:6)

PHASE I BOOK EXPLOITATION

SOV/4839

Tkhortshevskiy, Vladislav Pavlovich, and Ivan Gavrilovich Perevezentsev

Konstruirovaniye priborov dlya stran s tropicheskim klimatom (Design of Instruments for Countries With Tropical Climates) Moscow, Mashgiz, 1960. 153 p. 2,500 copies printed.

Reviewer: M.D. Kuzin; Ed.: Yu. M. Khlepetin; Executive Ed. (Ural-Siberian Department, Mashgiz): T.M. Somova, Engineer; Tech. Ed.: N.A. Dugina.

PURPOSE: This book is intended as a reference manual for technical personnel of factory and design offices.

COVERAGE: The book deals with experience gained in designing and rebuilding instruments for use in countries with tropical climates. The authors present basic rules for selecting instrument design and for matching materials used in production, and discuss the preservation and packing of these instruments. Special features of manufacturing such instruments are also described. The authors have drawn upon their experience in designing instruments for use in India and Burma. No personalities are mentioned. There are 41 references: 30 Soviet, 6 English, 4 German, and 1 French.

Card 1/8

TXHORZHEVSKII, Vladislav Pavlovich; PEREVEZENTSEV, Ivan Gavrilovich;
KUZIN, M.D., retsenzent; KHLEPETIN, Yu.M., red.; DUGINA, N.A.,
tekhn.red.

[Manufacture of instruments for tropical countries] Konstruiro-
vaniye priborov dlia stran s tropicheskim klimatom. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 153 p.
(MIRA 13:10)

(Instrument manufacture)

ACC NR: AP6032500 (4) SOURCE CODE: UR/0413/66/000/017/0054/0054

INVENTOR: Tkhorzhevskiy, V. V.

ORG: none

TITLE: Device for simulating the control mechanism of a cell. Class 30,
No. 185439

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966,
54

TOPIC TAGS: direct current, circuit breaker, electrolytic cell, electrolyte,
control mechanism, simulation, modeling, model

ABSTRACT: An Author Certificate has been issued describing a device for modeling
the control mechanism of a cell, containing a variable resistance element, a d-c
supply, and circuit breakers for individual network elements. To simulate the
inhibitor processes using the end product, the variable resistance element is made
in the form of an electrolytic cell. To control the density of the electrolyte in the
electrolytic cell, electrolytic sources of different densities with adjustable rectifiers

Card 1/2

UDC: 615.47:612.813.3

ACC NR: AP6032500

and electromagnetic relays are installed in the device (see Fig. 1). Orig. art. has: 1 figure. [Translation]

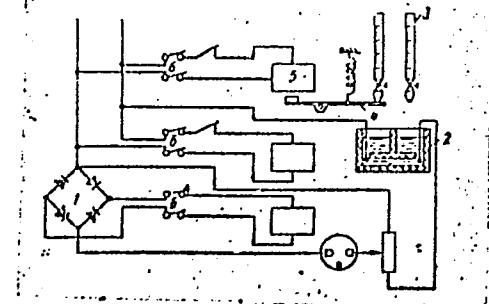


Fig. 1. Device for simulating the control mechanism of a cell
1—Direct current supply;
2—electrolytic cell; 3—electrolyte source; 4—adjustable rectifier;
5—electromagnetic relay; 6—breakers in the relay circuit.

SUB CODE: 13, 20 / SUBM DATE: 16Dec64/

Card 2/2

TKHSTOV, B.

Information about the Kazan conference on geology. Geol. nefti 2
no. 6:66-71 Je '58. (MIRA 11:7)
(Geology)

TKHOSTOV, B.A.

Afghanistan. Geol. nefti 1 no.9:61-64 S '57.
(Afghanistan--Petroleum geology)

(MLRA 10:9)

TKHOSTOV, Batraz Agubegirovich; VATOLIN, G.N., vedushchiy red.;
TROFIMOV, A.V., tekhn.red.

[Initial formation pressures in oil and gas fields] Nachal'nye
plastovye davleniya v neftianykh i gazovykh mestorozhdeniakh.
Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry,
1960. 105 p.
(Oil reservoir engineering)

MUSTAFINOV, A.N.; TKHOSTOV, B.A.

Structural drilling in the R.S.F.S.R. in the complex prospecting plan for 1959-1965. Geol.nefti i gaza 3 no.11:1-6
(MIRA 13:3)
N '59.

1. Gosplan RSFSR.
(Boring)

TKHOSTOV, B.A.

Results of oil and gas prospecting in the R.S.F.S.R. in 1960.
Geol. nefti i gaza 5 no. 3:1-6 Mr '61. (MIRAL4:4)

1. Gosplan RSFSR.
(Petroleum geology) (Gas, Natural--Geology)

TKHOSTOV, B.A.

Results of prospecting for oil and gas in the R.S.F.S.R., 1961.
Geol.nefti i gaza 6 no.3:1-6 Mr '62. (MIRA 15:4)
(Petroleum geology) (Gas, Natural--Geology)

TMHOSTOV, B.A.; L'VOV, M.S.

Limits of maintaining oil production with commercial reserves. Geol. nefti i gaza 6 no.12:8-15 D '62. (MIRA 15:12)

1. Gosplan RSFSR i Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo neftyanoy i gorno-tplivnoy literatury.
(Oil fields—Production methods)

AVROV, V.Ya.; BLINNIKOV, I.A.; BROD, I.O.[deceased]; BUYALOV, N.I.;
VASIL'YEV, V.G.; DMITRIYEV, Ye.Ya.; YELIN, N.D.; YEROFEYEV,
N.S.; ZUBOV, I.P.; KALINIK, N.A.; KUDRYASHOVA, N.M.; MAKSEMOV,
S.P.; L'VOV, M.S.; MIRCHINK, M.F.; OVCHINNIKOVA, T.G.;
SIMAKOV, S.N.; TROFIMUK, A.A.; TKHOSTOV, B.A.; FEDOTOVA, M.I.,
ved. red.

[Predicting gas potential of the U.S.S.R.] Prognoz gazonosno-
sti SSSR. Leningrad, Gostoptekhizdat, 1963. 175 p.
(MIRA 17:4)

TKHOSTOV, B.A.; L'VOV, M.S.; VASIL'YEV, V.G.

Principles for the prospective planning of production and an
increase in the oil and gas reserves. Geol. nefti i gaza 8
no.8:1-7 Ag '64. (MIRA 17:8)

1. Gosplan RSFSR, Izdatel'stvo "Nedra" i Vsesoyuznyy nauchno-
issledovatel'skiy institut prirodnogo gaza.

TKHOSTOVA, V.T.

Method of analysis of the activity of the city hospital's polyclinic. Zdrav. Tadzh. 10. no.1:27-32. '63. (MIRA 16:7)

1. Iz kafedry organizatsii zdravookhraneniya i istorii meditsiny (zav.-dotsent Ya.T.Tadzhhiyev) Tadzhikskogo meditsinskogo instituta imeni Abuali ibni Sino.
(CLINICS)

BURSHTAR, Mikhail Samuilovich; MASHKOV, Igor' Vasil'yevich;
TKHVOSTOV, B.A., kand. geol.-miner. nauk, red.; YUNGANS,
S.M., ved. red.; VORONOVA, V.V., tekhn. red.

[Conditions governing the formation and characteristics of
the distribution of oil and gas pools as revealed by the
study in Ciscaucasia and the Crimean steppes] Usloviia for-
mирования i zakonomernosti razmeshcheniya zalezhei nefti i
gaza (na primere Predkavkaz'sia i stepnogo Kryma). Moskva,
Gostoptekhizdat, 1963. 264 p. (MIRA 16:7)

(Caucasus, Northern--Petroleum geology)
(Caucasus, Northern--Gas, Natural--Geology)
(Crimea--Petroleum geology)
(Crimea--Gas, Natural--Geology)

VASIL'YEV, V.G.; ZUBOV, I.P.; TKHOSTOV, B.A.

Principal results of prospecting for oil and gas in the
U.S.S.R. in 1962. Geol. nefti i gaza 7 no.3:1-9 Mr '63.
(MIRA 16:4)

(Prospecting)

TKHOSTOV, B.A.; DUBININ, A.Z.; OVANESOV, G.P.; SAVEL'YEV, I.V.

Results of geological prospecting for oil and gas in the
R.S.F.S.R. for 1963. Geol. nefti i gaza 8 no.3:1-9 3 Mr '64.
(MIRA 17:6)
1. Gosplan RSFSR i Vserossiyskiy sovet narodnogo khozyaystva
RSFSR.

TKHOSTOVA, V.T.

Frequency of tuberculosis relapses among persons of the
control (III) group of dispensary records. Zdrav. Tadzh.
10 no.5:3-7 '63. (MIRA 17:2)

1. Iz kafedry organizatsii zdravookhraneniya i istorii
meditsiny (zav. - dotsent Ya.T. Tadzhiev) Tadzhikskogo
meditsinskogo instituta i Tadzhikskogo respublikanskogo
protivotuberkuleznogo dispansera (glavnnyy vrach S.M.
Sazonova).

TKOCZ, Jozef

Faulty working methods as causes of accidents. Rudy i
metale 9 no. 8:453-456 Ag '64.

TLACH, D.

CZECHOSLOVAKIA

NOVAK, M; TLACH, D.

First Tuberculosis Ward of the Faculty Hospital
(I. Tuberkulozni oddeleni fakultni nemocnice),
Brno-Bonunice - (for all)

Prague, Rozhledy v Tuberkulose, No 2, 1963, pp 89-105

"The Causes of Death in Patients with Tuberculosis Treated
at Brno-Bohunice Hospital during 1954-1960."

CHIN' VAN TKHIN'; Prinimali uchastiye: TKHUAN, D.S.; TKHUAN, Kh.T.

Epizootiological characteristics of swine helminthiases in
the Democratic Republic of Vietnam, Veterinaria 39 no.10:
31-32 O '62. (MIRA 16:6)

1. Sel'skokhozyaystvennyy institut Demokraticeskoy Respubliki
Vyetnam.

(Vietnam, North--Parasites--Swine)
(Vietnam, North--Nematoda)

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756010006-5

TLAGA, F.

"For a larger crop of potatoes." p. 8
(Plon, Vol 4 No 4 Apr 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Unclassified

APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756010006-5"

TLALKA, Alicja

"Register of water springs in Hungary" by H.Kessler. Reviewed by
Alicja Tlalka. Przegl geogr 35 no.4:747-749 '63.

1. Instytut Geograficzny, Uniwersytet Jagielloński, Krakow.

TLALKA, Radomir

Spectrographic determining of trace admixtures in radioisotopes
 P^{32} , S^{35} , I^{131} . Jaderna energie 9 no.5:168 My '63.

1. Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez u Prahy

TLALKA, Radomir

Chromatography on spectrographic carbon according to Haftka.
Jaderna energie 10 no.7:255 J1'64

1. Institute of Nuclear Research, Rez.

TLALKA, R.

Chromatography on spectrographic carbon according to Haftka.
Coll Cz Chem 30 no.5:1433-1440 My '65.

1. Institute of Nuclear Research of the Czechoslovak Academy of Sciences, Rez near Prague. Submitted March 21, 1964.

7.17.00

42995

S/035/62/000/011/029/079
A001/A101

AUTHOR: Tlamicha, A.

TITLE: An aerial system suitable for solar radio-spectrographs

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 55 - 56, abstract 11A399 ("Byul. astron. in-tov Chekhoslovakii", 1961, v. 12, no. 6, 255, English)

TEXT: A broad-band aerial system was constructed and measured; it consists of two spiral-beam antennas in the focus of a 7.5-m parabolic reflector. The results of these measurements are described. Each beam has 4 turns; impedance at output is equal to 70 ohm; two antennas were adjusted for operating in phase. The antenna pattern in the horizontal and vertical planes was measured with the use of solar radio emission. The pattern width between the half-power points amounted to 2° in the horizontal and 3° in the vertical plane. These values were obtained at a frequency of 808 Mc. The band width of the aerial system was 340 Mc (470 - 810 Mc). Side lobes had directivity which was 15 decibel below that of the main lobe. All these characteristics are obtained only

Card 1/2

S/035/62/000/011/029/079

An aerial system suitable for solar radio-spectrographs A001/A101

after a very precise adjustment of spiral beams. A small inaccuracy in the length of a turn may cause a great change in the antenna pattern. At an inaccurate adjustment, four lobes may turn out practically equal in the sense of directivity.

V. Yesipov

[Abstracter's note: Complete translation]

Card 2/2

TLAMICHA, A.; OLMR, J.

Catalog of 231 Mc/s solar radio noise storms (Ondrejov
1959-1961). Biul astr Cz 15 no. 4:133-135 '64.

1. Astronomical Institute, Czechoslovak Academy of
Sciences, Ondrejov.

TLAMICHA, A.; KONECNY, Z.

Broad band noise generator. Biul astr Cz 15 no. 4:136-137
'64.

1. Astronomical Institute, Czechoslovak Academy of Sciences,
Ondrejov (for Tlamicha). 2. J.E.Purkyne University, Brno
(for Konecny).

3.1730

37459

S/035/62/000/004/018/056
A001/A101

AUTHORS: Křivský, L., Tlamicha, A.

TITLE: Emission of the 1960 May 13 flare and absorption of cosmic noise

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 4, 1962, 59,
abstract 4A474 ("Byul. astron. in-tov Chekhoslovakii", 1960, v. 11,
no. 6, 238-241, English, Russian summary)

TEXT: A cosmic noise receiver was put into operation at the observatory in Ondrjeyova for recording at a frequency of 30.70 Mc cosmic radio emission from the region around the North Star. The receiver makes it possible to study indirectly corpuscular emission from the flares, since the latter affects the ionosphere state and causes absorption of cosmic noise emission. On May 13, 1960, an intense flare was observed in H α light; simultaneously were registered radio emission on meter and decimeter waves, atmospherics and cosmic noise level. The records were compared of the following phenomena: width of H α line in emission, intensity of solar radio emission at waves of 37.56 and 130 cm, the curve of the course of sudden atmospheric disturbances at a frequency of 27 kc, ✓

Card 1/2

Emission of the 1960 May 13 flare ...

S/035/62/000/C04/018/056
A001/A101

and the curve of the course of cosmic noise absorption (30.70 Mc); this characterizes their close correlation and characteristic temporal regularities of this correlation.

V. Yesipov

[Abstracter's note: Complete translation]

Card 2/2

3.1700
3.1710

40452

S/035/62/000/009/015/060
A001/A101

AUTHOR: Tlamicha, A.

TITLE: Solar radio telescope at a wavelength of $\lambda = 37$ cm

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 9, 1962, 52 - 53,
abstract 9A75 ("Byul. astron. in-tov Chekhoslovakii", 1961, v. 12,
no. 4, 126 - 139. English; Russian summary)

TEXT: A radio telescope at a wavelength $\lambda = 37$ cm was put into operation in
the Astronomical Institute, AS of Czechoslovakian SSR, at Ondrejova on May 1, 1959.
Observations of the Sun are conducted regularly. The radio telescope antenna is a
parabolic mirror of 7.5 m in diameter. A semi-wave dipole with a round reflector
is used as an emitter. Directivity diagram for a half of power, taken on a transit
of the Sun, is $3.25^\circ \times 5.25^\circ$. The receiver is a superheterodyne, band width $\Delta f =$
1 Mc; noise coefficient = 15. The radiometer is calibrated by the noise diode. The
method of estimating the absolute magnitude of the solar radio emission flux is
described. The wavelength was selected taking into account certain ranges of the
solar radio emission observed at the other stations. Bursts of radio emission of
the Sun at different wavelengths are compared. There are 5 references.

[Abstracter's note: Complete translation]

V. Nagnibeda

Card 1/1

S/269/63/000/004/012/030
A001/A101

AUTHOR: Tlamicha, A.

TITLE: Noise storms on wavelength 56 cm

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 4, 1963, 44, abstract
4.51.372 ("Byul. astron. in-tov Chekhoslovakii", 1962, v. 13, no. 3,
121 - 122, English)

TEXT: This is a brief report on noise storms, unusual for decimeter wavelengths, related to solar activity, which were observed at the Ondrzejov Observatory. Only three such cases (July 23, 1955, April 2, 1960, November 10, 1960) were recorded from 1956 to 1960 (1,700 observational days with 9 hours each), when the records of radio radiation on wavelength 56 cm was similar to records of a noise storm on the meter wavelengths. Examples of records are presented. There are 6 references.

M. G.

[Abstracter's note: Complete translation]

Card 1/1

TLAMICHA, A.; KRIVSKY, L.; OLMR, J.

Classification of solar radio storms in the meter range and
their frequency 1959-1961. Biul astr Cz 15 no.2:49-52 '64.

1. Astronomical Institute, Czechoslovak Academy of Sciences,
Ondrejov.

TLAMICHA, A.

Unusual decrease of solar radio emission on the 56cm wave-length
during the May 13, 1960 flare. Biulleten astron inst 14 no.1;24
'63.

1. Astronomical Institute of the Czechoslovak Academy of Sciences,
Ondrejov.

TLAMICHA, A.

An aerial suitable for radiospectrographs. Biul astr Cs 14
no.3:107-110 '63.

1. Astronomical Institute of the Czechoslovak Academy of
Sciences, Ondrejov.

PROKSCH, Karel, inz.; TLAMSA, Jiri, inz.

The reed relay. Slaboproudý obzor 24 no.10:606-611 0 '63.

1. Vyzkumný ustav telekomunikaci, Praha.

MICHALICA, K., inzh.; TLAMSA, Jiri, inz.

At the door of a new technology in telecommunication installations.
Cs spoje 8 no.4:16-17 Ag '63.

1. Technicka ustredna spoju (for Michalica). 2. Vyzkumny
ustav telekomunikaci (for Tlamsa).

Z/019/63/020/002/006/006
E073/E335

AUTHORS: Tlamsa, J. and Nussberger, J.

TITLE: Influence of organic vapors on contacts in
radio engineering

PERIODICAL: Energetika i elektrotechnika. Přehled technické a
hospodářské literatury, v. 20, no. 2, 1963, 83,
abstract E63-1112 (Sborník prací výzkumného ústavu
telekomunikací (Collection of papers of the Tele-
communications Research Institute), 100 - 115)

TEXT: A study of the influence of organic vapors on contacts
in communication engineering supplemented certain experimental results
published in foreign literature. Organic vapors reduce the
reliability and service life. By chemical activation they
encourage the loss of metal by transient evaporation and thus
accelerate electric erosion of the contacts. Guiding principles
have been evolved for designing and selecting materials for communi-
cation equipment to reduce the unfavorable influence of organic
vapors to an acceptable level. There are 8 figures, 6 tables
and 10 references. [Abstracter's note: complete translation.]

Card 1/1

PROKSCH, Karel,inz.; TLAMSA, Jiri,inz.

The new Tesla telephone relay. Slaboproudý obzor 22 no.5:275-281
'61. (KEAI 10:7)

1. Vyzkumny ustav telekomunikaci, Praha.
(Telephone) (Electric relays)

CZECHOSLOVAKIA / Farm Animals. Domestic Fowl.

Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40505.

Author : Vondrak J., Tlaskal, J.

Inst : Not given.

Title : New Data on the New Hampshire Breed of Hens.

Orig Pub: Drubeznictvi, 1957, 5, No 9, 133-134.

Abstract: Experiments showed that the average weight of the New Hampshire chickens at the age of 2, 4, 6, 8, 10, and 12 weeks was 97, 268, 484, 844, 1,382 and 1,830 g., and that of Rhode Island chickens was 96, 225, 378, 588, 1,091, and 1,399 g., respectively. It is recommended to increase the stock of the New Hampshire hens and to standardize them according to the local conditions.

Card 1/1

TLASKAL, J.

Q

CZECHOSLOVAKIA/Farm Animals. Domestic Fowls.

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16828.

Author : Orel V., Tlaskal J., Hampl J., Horsak J.

Inst :

Title : Meat-Type Breeds of Chicken
(Myasnyye porody kur)

Orig Pub: Drubeznictví, 1957, 5, No 6, 89-90.

Abstract: No abstract.

Card : 1/1

TLATOV, S.B.

Treatment of dilatation of the spermatic cord veins by plastic surgery
of the scrotum. Urologia 24 no.4:45-47 Jl-Ag '59. (MIRA 12:12)
(SPERMATIC CORD blood supply)
(SCROTUM surgery)

TLATOV, S.B.

Etiology of phlegmon of the intestine and of ileitis. Klin.med. 37
no.11:121-122 N '59. (MIRA 13:3)
(ASCARIASIS compl.)
(INTESTINES diseases)
(ILEITIS etiology)

TLATOV, S.B.

Strangulation of the vermiform appendix in the hernial sac in
congenital inguinal hernia. Sov.med. 22 no.7:125-126 Jl'58
(HERNIA, INGUINAL, compl. (MIRA 11:10)
congen., with strangulation of appendix in hernial sac.
(Rus))
(APPENDIX,
strangulation in hernial sac. in congen. inguinal
hernia (Rus))

TOCHILOV, V.I.; GOL'ESHTEYN, S.B.

Further ways for efficient utilization of Azerbaijanian limestones
for building purposes. Dokl.AN Azerb. SSR 13 no.6:675-681 '57.
(MERA 1C:2)

1. Azerbaydzhanskiy politekhnicheskiy institut. Predstavлено
академиком АН Азербайджанской ССР М.А. Усевновым.
(Azerbaijan--Limestone) (Walls)

MAMEDALIYEV, M.G., inzh. (Baku); KRONGOL'D, Ye.S., inzh. (Baku);
TOCHILOV, V.I., inzh. (Baku)

Two cases of accidents in the construction of a large water
conduit. Vod.i san. tekhn. no.10:33-34 O '62. (MIRA 15:12)
(Aqueducts) (Building--Accidents)

Fuel norms in Azerb.

TOCHILOV, V.I.; GOL'DSHTEYN, S.B.

Establishing fuel norms for buildings in Azerbaijan according to
the climatological zones of the republic. Dokl. AN Azerb. SSR 13
no.9:1025-1029 '57. (MIRA 10:9)

1. Predstavлено академиком АН Азербайджанской ССР М.А. Усейновым.
(Azerbaijan--Fuel)

TOCHILOV, V.I.

Further improvement in draining oil fields of the Apsheron Peninsula. Izv. vys. ucheb. zav.; neft' i gaz 5 no.7:109-112 '62. (MIRA 16:7)

1. Azerbaydzhanskiy politekhnicheskiy institut.
(Petroleum waste)

TOCHILIN, V.N.

74
U

Influence of various pretreatments of leather samples on the results of chemical analysis. V. A. Sapegin and V. N. Tochilin. *Izv. Akad. Nauk. Tsvetnoy Inst. Kozheverennoi Prom. Sbornik Rabot No. 8, 144-88(1935).* Samples drawn from the head vat or the drum, broken up while wet, show a greater percentage of fat, soluble and to some extent of hide substance and have therefore too low a content of combined tannins and a lower tanning factor, as compared with dried samples. The samples can be dried before grinding for the analysis and the drying can be carried out at room temp. or at a temp. up to 35°. In the investigation of the processes of tannage fixation with the raw hide in any stage of the tanning the leather analysis should be carried out with the raw analysis of the treated and dried hide. The hide should be prepd. for analysis in pieces 0.6-0.8 mm. thick and 3.5 mm. long. The Koerner leather-cutting machine should not be used because of great loss in H₂O through heat. The expts. are described and the results are tabulated.
A. A. Buehling

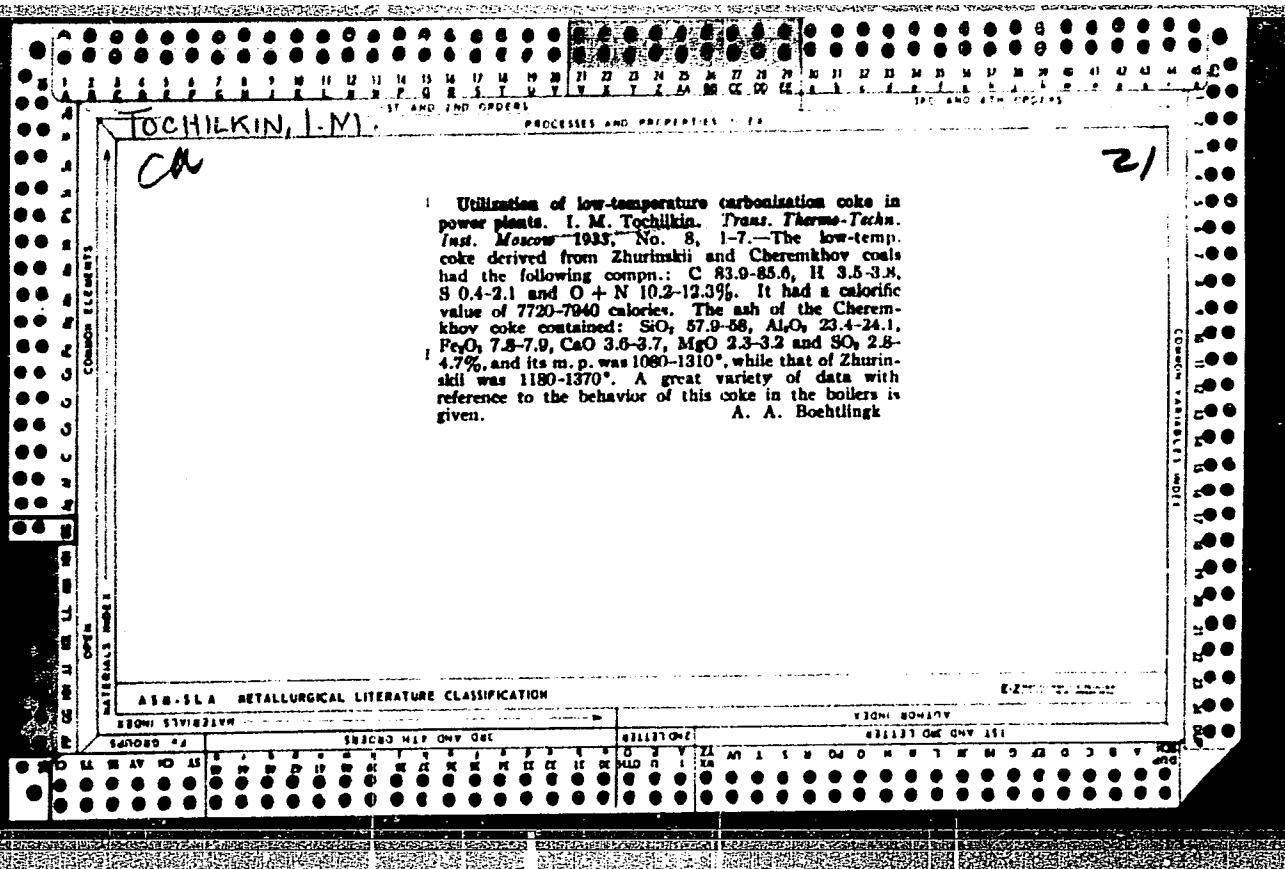
ASLIB METALLURGICAL LITERATURE CLASSIFICATION									
GENERAL	MINING	METALLURGY	IRON & STEEL	NON-FERROUS	ALUMINUM	NON-METALS	INDUSTRIAL CHEM.	INDUS. PROCESSES	INDUS. EQUIPMENT
GENERAL	MINING	METALLURGY	IRON & STEEL	NON-FERROUS	ALUMINUM	NON-METALS	INDUSTRIAL CHEM.	INDUS. PROCESSES	INDUS. EQUIPMENT
GENERAL	MINING	METALLURGY	IRON & STEEL	NON-FERROUS	ALUMINUM	NON-METALS	INDUSTRIAL CHEM.	INDUS. PROCESSES	INDUS. EQUIPMENT
GENERAL	MINING	METALLURGY	IRON & STEEL	NON-FERROUS	ALUMINUM	NON-METALS	INDUSTRIAL CHEM.	INDUS. PROCESSES	INDUS. EQUIPMENT

"APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756010006-5

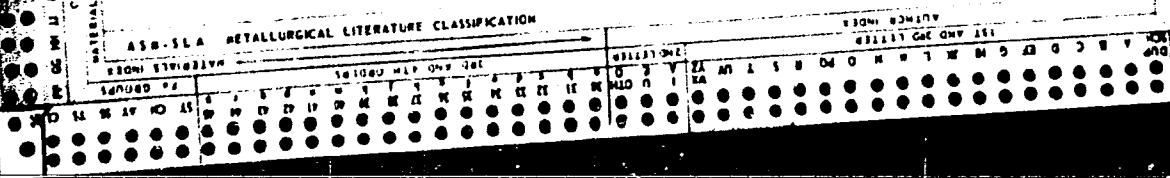
APPROVED FOR RELEASE: 07/16/2001

CIA-RDP86-00513R001756010006-5"



21
I. M. Tschilkin

"Utilization of low-temperature carbination coke in power plants. I. M. Tschilkin. Trans. Thermo-Tech. Inst. Moscow 1933, No. 8, 1-7. --The low-temp. coke derived from Zhurinskii and Cheremkhov coals had the following compn.: C 83.9-85.0, H 3.5-3.8, S 0.4-2.1 and O + N 10.2-12.3%. It had a calorific value of 7720-7940 calories. The ash of the Cheremkhov coke contained: SiO₂ 87.9-88, Al₂O₃ 23.4-24.1, Fe₂O₃ 7.8-7.9, CaO 3.0-3.7, MgO 2.3-3.2 and SO₃ 2.8-4.7%, and its m. p. was 1080-1090°, while that of Zhurinskii was 1180-1270°. A great variety of data with reference to the behavior of this coke in the boilers is given." A. A. Boettlingk



TOCHILKIN, S. I.

LOOMS

Experience in servicing ATK-100 looms. Tekst. prom. 12 no. 7, 1952.

Monthly List of Russian Accessions. Library of Congress, October 1952. UNCLASSIFIED

TOCHILKINA, P. K.

Bot, K. A. Opyt novatorov-parkechikov P. K. Tochilkina i E. I. Boitsova
[Experience of innovator parquet-workers P. K. Tochilkin and E. I. Boitsov].
Leningrad, 1953. 32 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 12 March 1954.

TOCHIL'NIKOV, G., kandidat ekonomiceskikh nauk.

"Finance and credit in Soviet commerce." A.D. Makarov. Reviewed
by G. Tochil'nikov. Sov. torg. no.8:36-39 Ag '56. (MLRA 9:10)

(Russia--Commerce--Finance) (Makarov, A.D.)

TOCHIL'NIKOV, G.

"State revenue in the U.S.S.R. budget." A. Suchkov. Reviewed by G. Techil'nikov.
Fin. SSSR 17 no. 7:85-91 Jl '56. (MIRA 9:9)
(Revenue)

VISHNEVSKIY, A.A., doktor ekonom. nauk, prof.; PODGORDETSKIY, I.A., prof.; SERGEYCHUK, K.Ya., kand. tekhn. nauk; SOLOVEYCHIK, L.M., kand. ekonom. nauk; TOCHIL'NIKOV, G.M., kand. ekonom. nauk; SHEN, P.A., prepodavatel'; TRIFONOV, V.I., red.; ROMANOVA, S.F., tekhn. red.

[Economics of the communication system] Ekonomika sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1961. 279 p.
(MIRA 14:8)

(Communication and traffic)

VINOGRADOV, M.I., otv. red.; TOCHILOV, K.S., otv. red.; KHAVKINA, N.N., otv. red.; AVER'YANOV, V.S., red.; OSIPOVA, O.V., red.; UTKINA, N.S., red.; KISELEVA, L.I., tekhn. red.

[Materials of the Scientific Conference on Work Physiology Devoted to the Memory of A.A.Ukhtomskii] Materialy Nauchnoi konferentsii po fiziologii truda, posvyashchennaiia pamyati A.A.Ukhtomskogo. Leningrad, Izd-vo Leningr. univ., 1963. 372 p. (MIRA 17:3)

1. Nauchnaya konferentsiya po fiziologii truda, posvyashchennaia pamyati A.A.Ukhtomskogo. 2. Fiziologicheskiy institut im. A.A.Ukhtomskogo Leningradskogo gosudarstvennogo universiteta (for Aver'yanov, Vinogradov, Osipova, Tochilov, Utkina, Khavkina)

TOCHILOV, K.S.; UTKINA, N.S.

Changes in working dominants during the process of formation.
Nerv. sist. no. 2:155-162 '60. (MIRA 14:4)
(WORK, METHOD OF) (FATIGUE)

TOCHILOV, K.S.

Some methodological problems of the physiology of work. Vest.
LGU 18 no. 21:86-94 '63 (MIRA 16t12)

TOCHILOV, K.S.; MOROZOVA, M.M.; OSIPOVA, O.V.; PAVLOVA, L.P.; UTKINA, N.S.;
KHAVKINA, N.N.

Physiological prerequisites for the working regime. Nerv. sist.
(MIRA 18:1)
no.4:176-178 '63.

1. Fiziologicheskiy institut Leningradskogo universiteta.

TOCHILOV, K.S.

Macrointerval as a measure of the lability of the human motor apparatus.
Nerv. sist. no.1:197-208 '60. (MIRA 13:9)

1. Laboratoriya fiziologii truda, Leningradskiy ordena Lenina
gosudarstvennyy universitet im. A.A. Zhdanova.
(MOVEMENT, PSYCHOLOGY OF) (WORK)

PAVLOVA, L.P.; TOCHILOV, K.S.

Electroencephalographic characteristics of mixed activities of
the human cerebrum during muscular exertion. Fiziol. Zhur. 46
no. 7:777-785 Jl '60. (MIRA 13:2)

1. From the laboratory of labour physiology of the Uchtemsky
Physiological Institute, State University, Leningrad.
(ELECTROENCEPHALOGRAPHY) (EXERCISE)

VETYUKOV, I.A.; TOCHILOV, K.S.

N.E.Vvedenskii. Uch.zap.Len.un.no.176:3-27 '54. (MLRA 9:9)
(VVEDENSKIY, NIKOLAI EVGEN'EVICH, 1852-1922) (NERVOUS SYSTEM)

TOCHILOV, K.S.

Formation of motor habits in the process of technical education.
Vest. Len. un. 11 no.15:126-135 '56. (MLRA 9:10)

(Movement, Psychology of) (Technical education)

TOCHILOV, K.S.

Formation of motor habits while overcoming external resistance
(force of friction). Vest.LGU 14 no.3:97-109 '59.
(MIRA 12:5)
(MUSCULAR SENSE)

TOCHILOV, K.S.

Cortical regulation of the motor function in work processes.
S.A. Kosilev, K.S. Tochilov. p. 145. Leningrad. Universitet.
Vestnik (University Review). Leningrad, Vol. 7, No.4, Apr. 1952.

TOCHILOV, K.S.

Scientific conference on the physiology of work. *Fisiol. zhurn.* 40 no.2:
259-260 Mr-Apr '54. (MLRA 7:5)
(Work) (Physiology)

TOCHILOV, K. S.

USSR/Medicine - Physiology

FD 262

Card 1/1

Author : Tochilov, K. S. (Leningrad)

Title : Scientific conference on physiology of labor

Periodical : Fiziol.zhur. 2, 259-260, Mar/Apr 1954

Abstract : Maintenance of high efficiency among workers and preservation of health can be accomplished only when analysis of the capacity of the human organism is based on I. P. Pavlov's theory of higher nervous activity. Physiological basis of work and rest, theory of fatigue and efficiency, and organization of a labor force which would be able to handle the productive forces in a communist society was discussed at the scientific conference on physiology of labor, held in Moscow from November 30, 1953 to December 2, 1953. This conference was called by the Institute of Industrial Hygiene and Occupational Diseases of the Academy of Medical Sciences of the USSR. It was decided that the time is ripe now to organize a special institute of physiology of labor as was first proposed at the 7th Congress of physiologists held in 1947. It was also suggested that publication of a magazine on physiology of labor should be inaugurated soon.

Institution :

Submitted :

USSR / Human and Animal Physiology. Nervous System, Higher Nervous Activity, Behavior.

Abs Jour : Ref Zhur - Biol., No 15, 1958, №. 70568

Author : Vinogradov, M. I.; Tochilov, K. S.

Inst : Academy of Sciences Georgian SSR

Title : The Problem of the Reckoning of Time by the Human Cerebral Cortex

Orig Pub : In the collection, Probl. sovrem. fiziol. nervn. i myshochn. sistem. Tbilisi, AN GruzSSR, 1956, 293-300

Abstract : The experimental subjects were asked to perform dynamic (turning of a handle) or static (holding of muscular tension on a Schoydin dynamograph) work during the passage of a light across a screen, and to rest in the absence of the light. The cycles were 15 sec in length (five sec of work, ten of rest), six sec (two of work and four of rest), and 27 sec (nine of work and 18 of rest). Then the

Card 1/2

145

USSR / Human and Animal Physiology. Nervous System, Higher Nervous Activity, Behavior. T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 70568

light was omitted and the subjects were asked to work at the same tempo. The stability of the stereotype in various experimental subjects was different, with the deviations being as high as 50 percent from the norm (most frequently seen were tendencies toward increasing the duration of the periods). In proportion to the work the stereotype became stabilized, and the periods of work were particularly precise in duration. The subjects attempted to compensate for the absence of the light signal by resorting to thought counting or by reproduction of the path of the light by movement of the eyes. The former method was the more precise. With removal of the light the muscular activity increased. With auditory signalization the reckoning of time was more precise than with visual signalization. -- M. I. Lisina

Card 2/2